

COUNTS PLOT

PURPOSE

Generates a subsample count versus subsample index plot.

DESCRIPTION

The subsample count is identically the number of observations in the subsample. The counts plot is used to answer the question: "Does the subsample size change over different subsamples?" The counts plot consists of:

Vertical axis = subsample size;
Horizontal axis = subsample index.

In addition, a horizontal line is drawn representing the full sample size. The appearance of the 2 traces is controlled by the first 2 settings of the LINES, CHARACTERS, SPIKES, BARS, and similar attributes.

SYNTAX

COUNTS PLOT <y> <x> <SUBSET/EXCEPT/FOR qualification>

where <y> is the response (= dependent) variable;

<x> is the subsample identifier variable (this variable appears on the horizontal axis);

and where the <SUBSET/EXCEPT/FOR qualification> is optional.

EXAMPLES

```
COUNTS PLOT Y X
COUNTS PLOT Y X SUBSET X > 1
```

DEFAULT

None

SYNONYMS

SIZE PLOT

RELATED COMMANDS

CHARACTERS	=	Sets the types for plot characters.
LINES	=	Sets the types for plot lines.
MEAN PLOT	=	Generates a mean plot.
MEDIAN PLOT	=	Generates a median plot.
SD PLOT	=	Generates a standard deviation plot.
PLOT	=	Generates a data or function plot.

APPLICATIONS

Exploratory Data Analysis

IMPLEMENTATION DATE

88/2

PROGRAM

```

SKIP 25
READ RIPKEN.DAT BA HORI VERT TYPE HAND
.
MULTIPLY 2 2; MULTIPLY CORNER COORDINATES 0 0 100 100
XLIMITS 1 3
MAJOR XTIC MARK NUMBER 3
MINOR XTIC MARK NUMBER 0
XTIC OFFSET 0.5 0.5
XTIC MARK LABEL FORMAT ALPHA
LINE BLANK SOLID
CHARACTER CIRCLE BLANK
YLIMITS 0 35
YTIC OFFSET 0 3
.
XTIC MARK LABEL CONTENT INSIDE MIDDLE OUTSIDE
TITLE COUNTS FOR HORIZONTAL LOCATION
COUNTS PLOT BA HORI
XTIC MARK LABEL CONTENT LOW MIDDLE HIGH
TITLE COUNTS FOR VERTICAL LOCATION
COUNTS PLOT BA VERT
XTIC MARK LABEL CONTENT FASTBALL CURVE SP()
TITLE COUNTS FOR PITCH TYPE
COUNTS PLOT BA TYPE
XTIC MARK LABEL CONTENT LEFT RIGHT SP()
TITLE COUNTS FOR PITCH HAND
COUNTS PLOT BA HAND
.
END OF MULTIPLY

```

